

LIST OF CURRENT CLAIMS

1. (Currently Amended) A value document, comprising a value document substrate and different feature substances for checking the value document,

a first feature substance incorporated into the volume of the substrate of the value document[[,]]; ~~and~~

second and third feature substances provided on [[to]] the value document substrate in a printing ink jointly and in the form of a coding, wherein the second feature substance ~~comprising~~ comprises a luminescent substance, and the third feature substance ~~comprising~~ comprises a material absorbent in [[a]] ~~spectral~~ an infrared spectral range,

wherein the first feature substance is formed by a luminescent substance emitting in the absorption range of the third feature substance and the third feature substance does not absorb at a certain emission wavelength of the first feature substance; and

a fourth feature substance is applied to the value document substrate different from the first, second and third feature substances, wherein the third feature substance absorbs at least part of the emission radiation at a certain emission wavelength of the fourth feature substance.

2. (Previously Presented) The value document according to claim 1, wherein the first feature substance is distributed substantially uniformly within the volume of the value document substrate.

3. (Canceled)

4. (Currently Amended) The value document according to claim [[3]] 1, wherein the third feature substance is substantially colorless or has only weak inherent color in the visible spectral range.

5. (Currently Amended) The value document according to claim [[3]] 1, wherein the third feature substance absorbs ~~significantly~~ in a spectral range selected from the group consisting of the range above about 1.2 μm , and the range from about 1.5 μm to 2.2 μm .

6. (Currently Amended) The value document according to claim [[3]] 1, wherein the third feature substance has no significant absorption at a wavelength of about 0.8 μm .

7. (Currently Amended) The value document according to claim [[3]] 1, the third feature substance comprises one of a doped semiconductor material or a metal oxide.

8. (Currently Amended) The value document according to claim [[3]] 1, wherein the third feature substance is present in the printing ink in particle form with an average particle size smaller than 50 nm.

9-10. (Canceled)

11. (Currently Amended) The value document according to claim 1, wherein the first and/or fourth feature substance is formed by a luminescent ~~sub-stance~~ substance or a mixture of luminescent substances.

12. (Previously Presented) The value document according to claim 1, wherein at least one of the feature substances is formed on the basis of a host lattice doped with rare earth elements.

13. (Previously Presented) The value document according to claim 1, wherein the coding extends over a predominant part of a surface of the value document.

14. (Previously Presented) The value document according to claim 1, wherein the coding is a bar code.

15. (Previously Presented) The value document according to claim 1, wherein the coding is information about the value document.

16. (Previously Presented) The value document according to claim 1, wherein the value document substrate comprises a printed or unprinted cotton paper.

17. (Previously Presented) The value document according to claim 1, wherein the value document substrate comprises a printed or unprinted plastic film.

18. (Currently Amended) The value document according to claim ~~[[10]]~~ 1, wherein the fourth feature substance is a printing on the value document substrate together with a printing ink in the form of a printed image.

19. (Previously Presented) The value document according to claim 18, wherein the printed image is a coding.

20. (Previously Presented) The value document according to claim 1, wherein the value document has a further printed layer which partly or completely covers the value document areas provided with the second and third feature substances.

21. (Previously Presented) The value document according to claim 20, wherein the further printed layer is opaque in the visible spectral range and is transparent or translucent in at least one of the emission range of the second feature substance and in the absorption range of the third feature substance.

22. (Currently Amended) The value document according to claim 20, wherein the further printed layer is formed by the printing ink containing a fourth feature substance, said fourth feature substance comprising a ~~printing~~ print in the form of a printed image.

23. (Withdrawn and Currently amended) A method for producing a value document according to claim 1, wherein the first feature substance is incorporated into the volume of the value document substrate, [[and]] the second and third feature substances are applied to the value document substrate in a printing ink jointly and in the form of a coding.

24. (Withdrawn) The production method according to claim 23, wherein a fourth feature substance is applied to the value document substrate.

25. (Withdrawn) The production method according to claim 24, characterized in that the printing ink containing the second and third feature substances, and the fourth feature substance are applied to the value document substrate as a mixture or as separate substances.

26. (Withdrawn) The production method according to claim 24, wherein the fourth feature substance is printed on the value document substrate together with a printing ink in the form of a printed image.

27. (Withdrawn) A method for checking or processing a value document according to claim 2, comprising the steps: checking the authenticity of the value document and carrying out a value recognition of the document by using at least one characteristic property of at least one of the first and second feature substance for checking the authenticity of the value document, and the coding formed by at least one of the second and third feature substance for the value recognition of the value document.

28. (Withdrawn) The method according to claim 27, wherein at least one characteristic property of the first feature substance is used for checking the authenticity of the value document, and the coding formed by the third feature substance for the value recognition of the value document, by a user of a first user group.

29. (Withdrawn) The method according to claim 27, wherein at least one characteristic property of the second feature substance is used for checking the authenticity of the value document, and the coding formed by the second feature substance for the value recognition of the value document, by a user of a second user group.

30. (Withdrawn) The method according to claim 27, wherein at least one characteristic property of at least one of the first and fourth feature substance is used for checking the authenticity of the value document, and the coding formed by the third feature sub-stance is used for the value recognition of the value document, if the user belongs to the first user group, and at least one characteristic property of the second feature substance is used for checking the authenticity of the value document, and the coding formed by the second feature substance is used for the value recognition of the value document, if the user belongs to the second user group.

31. (Withdrawn) The method according to claim 27, wherein for value recognition by a user of the first user group, the coding is irradiated with radiation from the absorption range of the third feature substance, the absorption of the coding is determined at a wavelength from the irradiation range, and the value recognition is carried out on the basis of the determined absorption.

32. (Withdrawn) The method according to claim 31, wherein the irradiation of the

coding is effected in the infrared spectral range.

33. (Withdrawn) The method according to claim 31, wherein the determination of the absorption is performed in spatially resolved fashion.

34. (Withdrawn) The method according to claim 27, wherein for value recognition by a user of the first user group, at least a partial area of the value document is irradiated with radiation from the excitation range of the luminescent first feature substance, the emission of the first feature substance is determined at a wavelength from the absorption range of the third feature sub-stance, and the value recognition is carried out on the basis of the determined emission.

35. (Withdrawn) The method according to claim 34, wherein the irradiation of the coding is effected in the infrared spectral range.

36. (Withdrawn) The method according to claim 34, wherein the determination of the emission is performed in spatially resolved fashion.

37. (Withdrawn) The method according to claim 34, wherein the emission of the first feature substance is determined on opposite sides of the value document.

38. (Withdrawn) The method according to claim 27, wherein for the authenticity check and value recognition by a user of the second user group, the coding is irradiated with radiation from the excitation range of the second feature substance, the emission of the coding is determined at at least one wavelength from the emission range of the second feature substance, and at least one of the check of authenticity and the value determination is carried out on the basis of the determined emission.

39. (Withdrawn) The method according to claim 38, wherein the second feature substance is irradiated with at least one of visible and infrared radiation, and the emission of the second feature substance is determined in the infrared spectral range.

40. (Withdrawn) The method according to claim 27, wherein the irradiation is performed with a light-emitting diode or laser diode.

41. (Previously Presented) The value document according to claim 13, wherein the coding extends over substantially the total surface of the value document.

42. (Previously Presented) The value document according to claim 15, wherein the information is in encrypted form.

43. (Previously Presented) The value document according to claim 19, wherein the coding is one of a bar code and an alphanumeric character string.

44. (Withdrawn) The production method according to claim 24, wherein the fourth feature is applied by printing on the value document.

45. (Withdrawn) The value document according to claim 37, wherein the value recognition is performed on the basis of a comparison of the emission determined on opposite sides.